

Title (en)
ADAPTIVE TIMING RECOVERY VIA GENERALIZED RAKE CONCEPTION

Title (de)
ADAPTIVE TIMING-WIEDERHERSTELLUNG ÜBER EINE VERALLGEMEINERTE RAKE-KONZEPTION

Title (fr)
RECUPERATION DE SYNCHRONISATION ADAPTATIVE PAR CONCEPTION RAKE GENERALISEE

Publication
EP 1886414 B1 20160106 (EN)

Application
EP 06753772 A 20060522

Priority
• EP 2006004839 W 20060522
• US 68601505 P 20050531
• US 21918305 A 20050902

Abstract (en)
[origin: US2006268962A1] A method and apparatus for determining operating modes in a receiver is described herein. A delay searcher in the receiver detects a signal image in the received signal. When the receiver is a RAKE receiver, a plurality of RAKE fingers coherently combine time-shifted versions of the received signal at different delays. Alternatively, when the receiver is a chip equalization receiver, an FIR filter coherently pre-combines the signal images in the received signal. A processor determines delays. In particular, the processor generates a first signal quality metric for a single-delay receiver mode, and generates a second signal quality metric for a multi-delay receiver mode. Based on a comparison of the first and second signal quality metrics, the processor selects the single-delay or the multi-delay receiver mode for processing the signal image.

IPC 8 full level
H04B 1/707 (2006.01); **H04B 1/712** (2011.01)

CPC (source: EP KR US)
H04B 1/712 (2013.01 - EP KR US); **H04B 1/7117** (2013.01 - EP US); **H04B 2201/709727** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006268962 A1 20061130; **US 8964912 B2 20150224**; CN 101185251 A 20080521; CN 101185251 B 20120822; EP 1886414 A1 20080213; EP 1886414 B1 20160106; JP 2008543193 A 20081127; JP 4927828 B2 20120509; KR 101256695 B1 20130419; KR 20080016695 A 20080221; TW 200705848 A 20070201; WO 2006128609 A1 20061207

DOCDB simple family (application)
US 21918305 A 20050902; CN 200680018812 A 20060522; EP 06753772 A 20060522; EP 2006004839 W 20060522; JP 2008513973 A 20060522; KR 20077030770 A 20060522; TW 95118703 A 20060526